

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 0010-1075-0 PCT		SERIAL NO. 09/462,472	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Hiroshi MATSUI, et al.			
				FILING DATE January 14, 2000		GROUP 1652	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
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	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	EP 1 217 076 A1	06/26/02	Europe			
	AP	EP 1 004 663 A1	05/31/00	Europe			
	AQ	EP 0 282 989 A2	09/21/88	Europe			
	AR	EP 0 406 436 A1	01/09/91	Europe			
	AS	63-248394	10/14/88	Japan w/ attached English Abstract			
	AT	90/05784	05/31/90	WIPO			
	AU	63-230094	09/26/88	Japan			
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	Anna MODRAK-WOJCIK, et al., "MOLECULAR ARCHITECTURE OF E. COLI PURINE NUCLEOSIDE PHOSPHORYLASE STUDIED BY ANALYTICAL ULTRACENTRIFUGATION AND CD SPECTROSCOPY", PROTEIN SCIENCE, Vol. 15, 2006, Pages 1764-1800					
	AX	MUSHEGIAN, A. R., et al., "Unexpected sequence similarity between nucleosidases and phosphoribosyltransferases of different specificity," Protein Science, 1994, 3:1081-1088					
	AY	CHANG, Z., et al., "Deducted Amino Acid Sequence of Escherichia coli Adenosine Deaminase Reveals Evolutionarily Conserved Amino Acid Residues: Implications for Catalytic Function," Biochemistry, 30(8), 1991, pages 2273-2280					
	AZ	RAUSHEL, F. M., et al., "The Amidotransferase Family of Enzymes: Molecular Machines for the Production and Delivery of Ammonia," Biochemistry, Vol. 38, No. 25, June 22, 1999, pages 7891-7899				<input type="checkbox"/> Additional References sheet(s) attached	
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Electronic Acknowledgement Receipt

EFS ID:	2466423
Application Number:	09462472
International Application Number:	
Confirmation Number:	5130
Title of Invention:	PROCESS FOR PRODUCING PURINE NUCLEOSIDES VIA FERMENTATION COPY
First Named Inventor/Applicant Name:	HIROSHI MATSUI
Customer Number:	22850
Filer:	Marvin Jay Spivak/Irene Sorto
Filer Authorized By:	Marvin Jay Spivak
Attorney Docket Number:	0010-1075-0 PCT
Receipt Date:	14-NOV-2007
Filing Date:	14-JAN-2000
Time Stamp:	14:17:23
Application Type:	U.S. National Stage under 35 USC 371

Payment information:

Submitted with Payment	yes
Payment Type	Credit Card
Payment was successfully received in RAM	\$ 180
RAM confirmation Number	7670
Deposit Account	
Authorized User	

File Listing:

Document Number	Document Description	File Name	File Size(Bytes) /Message Digest	Multi Part /.zip	Pages (if appl.)
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1		101145USids.pdf	5586241 3c00fc893f726189a403b84c483404dcf 1b1ed8e	yes	35
Multipart Description/PDF files in .zip description					
	Document Description	Start	End		
	Miscellaneous Incoming Letter	1	1		
	Information Disclosure Statement Letter	2	2		
	Information Disclosure Statement (IDS) Filed	3	3		
	NPL Documents	4	10		
	NPL Documents	11	18		
	NPL Documents	19	26		
	NPL Documents	27	35		
Warnings:					
Information:					
2	Fee Worksheet (PTO-06)	fee-info.pdf	8227 c5b293dd61931b1f57fa0f6feed766fbfa 18650	no	2
Warnings:					
Information:					
Total Files Size (in bytes):			5594468		
<p>This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.</p> <p><u>New Applications Under 35 U.S.C. 111</u> If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.</p> <p><u>National Stage of an International Application under 35 U.S.C. 371</u> If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.</p> <p><u>New International Application Filed with the USPTO as a Receiving Office</u> If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.</p>					

COPY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hiroshi MATSUI, et al.

SERIAL NO: 09/462,472

GAU: 1652

FILED: January 14, 2000

EXAMINER: FRONDA, C. L.

FOR: METHOD FOR PRODUCING PURINE NUCLEOSIDE BY FERMENTATION

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the reference(s) listed on the attached Japanese Office Action and form PTO-1449. Copies of the listed reference(s) are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language reference(s).
- ☒ Online credit card payment is being made in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ Online credit card payment is being made in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☒ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☐ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

~~COPY~~

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Vincent K. Shier, Ph.D.

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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
0010-1075-0 PCTSERIAL NO.
09/462,472

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT
Hiroshi MATSUI, et al.FILING DATE
January 14, 2000GROUP
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U.S. PATENT DOCUMENTS

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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	AX	CHANG, Z., et al., "Deducted Amino Acid Sequence of Escherichia coli Adenosine Deaminase Reveals Evolutionarily Conserved Amino Acid Residues: Implications for Catalytic Function," Biochemistry, 30(8), 1991, pages 2273-2280
	AY	RAUSHEL, F. M., et al., "The Amidotransferase Family of Enzymes: Molecular Machines for the Production and Delivery of Ammonia," Biochemistry, Vol. 38, No. 25, June 22, 1999, pages 7891-7899
	AZ	

☐ Additional References sheet(s) attached

Examiner

Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

COPY

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OSMM&N File No. 101145US0PCT
Serial No. 09/462,472

Dept.: IP-1
By: SGB/kcm

In the matter of the Application of: Hiroshi MATSUI, et al.
For: METHOD FOR PRODUCING PURINE NUCLEOSIDE BY FERMENTATION

Due Date: 10/3/2007

The following has been received in the U.S. Patent Office on the date stamped hereon:

- Dep. Acct. Order Form
- Information Disclosure Statement
- Cited References 1
- PTO-1449



Docket No. 101145US0PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hiroshi MATSUI, et al.

SERIAL NO: 09/462,472

GAU: 1652

FILED: January 14, 2000

EXAMINER: Christian L. FRONDA

FOR: METHOD FOR PRODUCING PURINE NUCLEOSIDE BY FERMENTATION

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the reference(s) listed on the attached form PTO-1449, which was cited in an Office Action dated September 11, 2007, in Related US. Serial Number 11/682,103. Copies of the listed reference(s) are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language reference(s).
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☒ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☐ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

COPY

Stephen G. Baxter

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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY DOCKET NO.

101145US0PCT

SERIAL NO.

09/462,472

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT

Hiroshi MATSUI, et al.

FILING DATE

January 14, 2000

GROUP

1652

U.S. PATENT DOCUMENTS

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	AR					
	AS					
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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	AY					
	AZ					

☐ Additional References sheet(s) attached

Examiner

Date Considered

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OSMM&N File No. 0010-1075-0 PCT

Dept.: ---

By: SGB/VKS/sfb

Serial No. 09/462,472

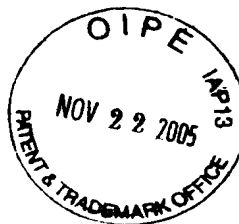
In the matter of the Application of: Hiroshi MATSUI, et al.

For: METHOD FOR PRODUCING PURINE NUCLEOSIDE BY FERMENTATIO

Due Date: 11/23/05

The following has been received in the U.S. Patent Office on the date stamped hereor

- Dep. Acct. Order Form
- Information Disclosure Statement
- Cited References 1
- Search Report European (2)
- PTO-1449



Docket No. 0010-1075-0 PCT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hiroshi MATSUI, et al.

SERIAL NO: 09/462,472

GAU: 1652

FILED: January 14, 2000

EXAMINER: Fronda, C.L.

FOR: METHOD FOR PRODUCING PURINE NUCLEOSIDE BY FERMENTATION

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited on the two attached European Search Reports and listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
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DEPOSIT ACCOUNT

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Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.

Stephen G. Baxter

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Form PTO 1449
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
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☐ Additional References sheet(s) attached

Examiner

Date Considered

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OSM&N File No. 0010-1075-0 PCT

Dept.: -C-

By: SGB/VKS/sfb

Serial No. 09/462,472

In the matter of the Application of: Hiroshi MATSUI, et al.

For: METHOD FOR PRODUCING PURINE NUCLEOSIDE BY FERMENTATION

Due Date: 09/23/04

The following has been received in the U.S. Patent Office on the date stamped hereon

- Dep. Acct. Order Form
- Information Disclosure Statement
- Cited References 4
- Search Report Supplementary European
- PTO-1449



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hiroshi MATSUI, et al.

SERIAL NO: 09/462,472

GAU: 1652

FILED: January 14, 2000

EXAMINER: Fronda, C.L.

FOR: METHOD FOR PRODUCING PURINE NUCLEOSIDE BY FERMENTATION

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited on the attached Supplementary European Search Report and listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. **In accordance with discussions on August 4, 2004 with Mr. Nicholas P. Godici, Commissioner for Patents, it is no longer required to submit copies of cited pending applications. A modification of the Rules will be published soon in the Official Gazette.** Cited issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

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	AO	EP 1 217 076 A1	06/26/02	Europe			
	AP	EP 1 004 663 A1	05/31/00	Europe			
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By NFO/dty FF

Serial No. New U.S. PCT Application based on PCT/JP98/03239

For METHOD FOR PRODUCING PURINE NUCLEOSIDE BY
FERMENTATION

[] Translation of Annexes to International Preliminary Examination Report

SERIAL NO. _____

DATE REC'D **35 Rec'd PCT/PTO 14 JAN 2000**

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP98/03239

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁶ C12N15/09, C12N1/21, C12P19/32 // (C12N1/21, C12R1:19),
(C12P19/32, C12R1:19)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁶ C12N15/09, C12N1/21, C12P19/32

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Genbank/EMBL/DDBJ/GeneSeq, WPI (DIALOG), BIOSIS (DIALOG)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO, 90/05784, A (Kyowa Hakko Kogyo Co., Ltd.), 31 May, 1990 (31. 05. 90) & JP, 2500062, A & EP, 406436, A	1-13
A	JP, 63-230094, A (Kyowa Hakko Kogyo Co., Ltd.), 26 September, 1988 (26. 09. 88) & EP, 282989, A & DE, 3884644, G	1-13

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
9 October, 1998 (09. 10. 98)

Date of mailing of the international search report
27 October, 1998 (27. 10. 98)

Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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